

PRODUCT SAFETY DATA SHEET**HOT STUFF 2.5-hours, 4-hours & 6-hours Chafing Fuels, DEG liquid with wick****Section 1 - Product Identification**

Product Name

Product Type, Description

HOT STUFF™ - WICK FUEL

A liquid chafing fuel. The Fuel, **Diethylene Glycol**, is delivered via a wick protruding from a closed metal can. The product's wick is ignited and burned to provide heat for food warming applications.

Supplier:

Flomatic Ltd

143-149 Bath Road . KETTERING . Northants . NN16 8NE

Emergency Telephone Numbers:

0800 597 744

01536 481 977

Section 2 - Ingredients/Identity

Diethylene Glycol

CAS# 111-46-6

>99%

Section 3 - Physical & Chemical Characteristics

Boiling Point

BP=245

Vapor Pressure

<0.01 mmHg (m) 20

Vapor Density

3.66

Melting Point

Solubility in Water

100%

Specific Gravity (H₂O=1)

1.1

Density

9.3 lbs./gallon

Appearance and odor

Clear, colorless, slightly viscous liquid, practically odorless

Section 4 - Fire and Explosion Hazard Data

Flash Point

>120C/250 F

Flammable Limits in Air, % by Vol.

Lower : 2%

Upper : 12.3%

Autoignition Temperature:

224 C / 435 F

Extinguishing Media

Water Spray, CO₂, Dry Chemical, Foam

Special Fire Fighting Procedures

Stop source of fuel, shut off ignition sources. Keep exposed containers cool with water spray. Avoid breathing vapors. Self Contained breathing apparatus and protective fire-fighting clothing, should be worn when fighting chemical fires

Unusual Fire & Explosion Hazards:

None

Section 5 - Reactivity Data

This product is stable.

Conditions to avoid:

Avoid contact with strong oxidizers

Conditions contributing to Instability

High Temperature

Incompatibility

Strong Oxidizers, Acids and bases

Hazardous Decomposition Products
Hazardous Polymerization:

Carbon monoxide and carbon dioxide
Will not occur

Section 6 - Health and Hazard Information

Nature of Hazard / Signs and Symptoms of Exposure:

Ingestion

Single dose oral toxicity is considered to be moderate. Small amounts swallowed incidental to normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause serious injury, even death. Oral toxicity is expected to be moderate in humans even though tests with animals show a lower degree of toxicity.

Inhalation:

Short term harmful health effects are not expected at ambient temperatures. Vapor or mist from heated material may cause adverse effects. Without adequate ventilation, inhalation of fumes formed when the product is burned can be dangerous and harmful. Carbon dioxide and carbon monoxide gases are formed upon burning and can reach dangerous levels in enclosed or poorly ventilated areas.

Eyes:

No evidence of harmful effects. May cause irritation.

Skin:

No information available on significant adverse effects. May be mildly irritating on prolonged or repeated exposure.

Signs and Symptoms:

Repeated excessive exposures may cause severe kidney damage, and also liver and gastrointestinal effects. Signs and symptoms of excessive exposure may be central nervous system effects, headache, nausea, vomiting, anesthetic or narcotic effects.

First Aid / Routes of Entry:

Ingestion:

If swallowed, give one or two glasses of water and induce vomiting as directed by medical personnel. Never give anything by mouth to an unconscious person. Consult medical personnel.

Inhalation:

Remove to fresh air if effects occur.

Eyes:

Flush eyes with water and continue for several minutes. Remove contact lenses, if worn. If irritation persists, obtain medical attention.

Skin:

Remove wet clothes. Wash with soap and water.

Medical Conditions Which May Be Aggravated by Exposure:

Overexposure is unlikely to aggravate existing medical conditions. Repeated excessive exposure may aggravate pre-existing liver and kidney disease.

Exposure Limits:

No occupational exposure limits established by OSHA, ACGIH or NIOSH.

Toxicity Data: Acute oral LD50 (rat) is greater than 13 g/kg of body weight and an acute dermal LD50 (rabbit) is greater than 13 g/kg of bodyweight. (See "Ingestion" above.)

Carcinogen Status: None. Based on long-term animal studies, diethylene glycol is not believed to pose a carcinogenic risk to man.

Hazardous Materials Identification System (HMIS) Health: Flammability: Reactivity:
2 1 0

Section 7 — Spill or Leak Procedures

Steps to be taken if material is released or spilled: Eliminate all ignition sources. Small spills can be soaked up with absorbent material, or flushed with water.

Waste Disposal Method: Spilled material may be picked up with solid sorbent and incinerated according to local, state and federal regulations. Empty containers may be disposed of as conventional waste in accordance with all local, state, and federal regulations.

Section 8 — Special Protection Information and Control Measures

Work/Hygiene Practices: Avoid contact with skin and eyes. Under normal conditions of product use, no special protection for eyes/skin is required. Remove contaminated clothing; launder or dry-clean before reuse. Minimize breathing vapor or mist. **WARNING** : Provide adequate ventilation in area of use. When burned, carbon dioxide and carbon monoxide are formed. Do NOT use this product in an enclosed or poorly ventilated area (ie: tents, pantry or closet). Open a door or window to provide adequate ventilation. **KEEP OUT OF THE REACH OF CHILDREN.**

Precautionary Labeling: **WARNING: HARMFUL IF SWALLOWED.**
KEEP OUT OF THE REACH OF CHILDREN
Contains: Diethylene Glycol. If swallowed: drink one or two glasses of water, induce vomiting and call a physician.

Work Practices/Engineering Controls: Recap containers when not in use. Do not store near heat, or open flame.

Section 9 — Transportation **Nonhazardous by DOT regulations and no specific DOT regulations apply. Not classified as hazardous under the Code of Federal Regulations (CFR) Title 49, Parts 100-177.**

This product is not a dangerous good as defined by IATA for Air Transportation.

US DOT Hazard Class: No Hazard Classification

US DOT Identification Number:
UN Number
IMO Hazard Class and Number:

Not Applicable
Not Applicable
Nonhazardous

Disclaimer:

The above information is based on the state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the quality or the specification of the product. No warranty is given if the product is used for any other purpose other than that suggested, recommended or declared on the product label or brochure. The user must satisfy him/herself that the product is entirely suitable for his/her purpose.

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